

(FILE 'HOME' ENTERED AT 16:39:26 ON 09 FEB 2003)

FILE 'USPATFULL, PCTFULL, WPIDS' ENTERED AT 16:39:47 ON 09 FEB 2003

L1 0 FILE USPATFULL
L2 0 FILE PCTFULL
L3 0 FILE WPIDS
TOTAL FOR ALL FILES
L4 0 S BIS(W) (ETHYL(W) CARBONYL)
L5 2 FILE USPATFULL
L6 0 FILE PCTFULL
L7 1 FILE WPIDS
TOTAL FOR ALL FILES
L8 3 S BIS(W) (ETHYLCARBONYL)
L9 1126 FILE USPATFULL
L10 503 FILE PCTFULL
L11 41 FILE WPIDS
TOTAL FOR ALL FILES
L12 1670 S (ETHYLCARBONYL)
L13 445 FILE USPATFULL
L14 168 FILE PCTFULL
L15 6 FILE WPIDS
TOTAL FOR ALL FILES
L16 619 S L12 AND (CHOLESTEROL OR STEROL OR CHOLESTERYL OR STERYL OR CO
L17 14 FILE USPATFULL
L18 13 FILE PCTFULL
L19 0 FILE WPIDS
TOTAL FOR ALL FILES
L20 27 S L16 AND PHOSPHORAMIDITE
L21 14 FILE USPATFULL
L22 12 FILE PCTFULL
L23 0 FILE WPIDS
TOTAL FOR ALL FILES
L24 26 S L20 AND (ANTISENSE OR OLIGONUCLEOTIDE OR NUCLEIC)
L25 14 FILE USPATFULL
L26 12 FILE PCTFULL
L27 0 FILE WPIDS
TOTAL FOR ALL FILES
L28 26 S L24 AND (SYNTHESIS OR PROCESS)
L29 22163 FILE USPATFULL
L30 5927 FILE PCTFULL
L31 1973 FILE WPIDS
TOTAL FOR ALL FILES
L32 30063 S ETHOXYCARBONYL
L33 5 FILE USPATFULL
L34 4 FILE PCTFULL
L35 0 FILE WPIDS
TOTAL FOR ALL FILES
L36 9 S L32 AND L28

FILE 'REGISTRY' ENTERED AT 16:58:43 ON 09 FEB 2003

L37 STRUCTURE UPLOADED
L38 47 S L37 SSS FULL

FILE 'CAPLUS' ENTERED AT 16:59:18 ON 09 FEB 2003

L39 5 S L38 AND PHOSPHORAMIDITE AND (OLIGONUCLEOTIDE OR OLIGOMER OR N

FILE 'STNGUIDE' ENTERED AT 17:00:26 ON 09 FEB 2003

FILE 'CAPLUS' ENTERED AT 17:11:20 ON 09 FEB 2003

FILE 'STNGUIDE' ENTERED AT 17:11:20 ON 09 FEB 2003

FILE 'CAPLUS' ENTERED AT 17:12:23 ON 09 FEB 2003
SELECT RN 3 L39

L40 FILE 'REGISTRY' ENTERED AT 17:12:50 ON 09 FEB 2003
7 S E1-E7/RN

L41 FILE 'CAPLUS' ENTERED AT 17:14:18 ON 09 FEB 2003
121154 S 6-7

L42 FILE 'CAPLUS' ENTERED AT 17:14:51 ON 09 FEB 2003
99 S E6-7/RN
L43 6 S L42 AND (ANTISENSE OR OLIGONUCLEOTIDE OR OLIGOMER OR NUCLEIC)

=>

How much will my mortgage payments be?

How much will my mortgage payments be?



INPUTS RESULTS GRAPHS TABLES HELP

Loan amount

☐ Appraised value

☐ Term (years)

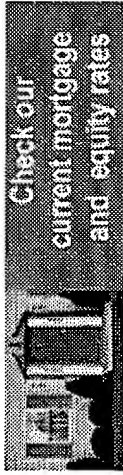
☐ Interest rate

☐ Yearly property tax

☐ Yearly property insurance

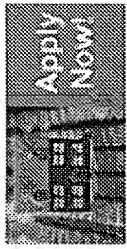
\$ 178,000
\$ 220,000
27
6 %
\$ 3,300
\$ 500

Next ▶



How much will my mortgage payments be?

How much will my mortgage payments be?



INPUTS

RESULTS

GRAPHS

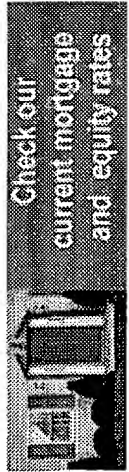
TABLES

HELP

Principal and interest
Taxes and insurance
Mortgage insurance
Total payment

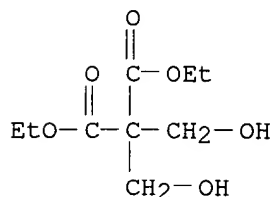
\$1,111
\$317
\$47
\$1,475

Next ▶

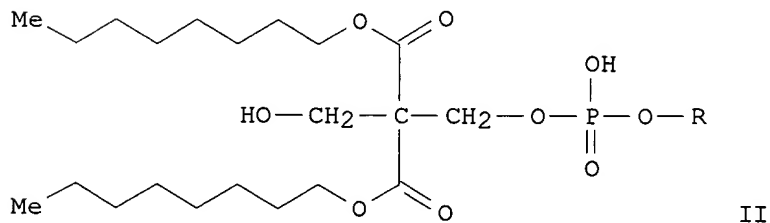
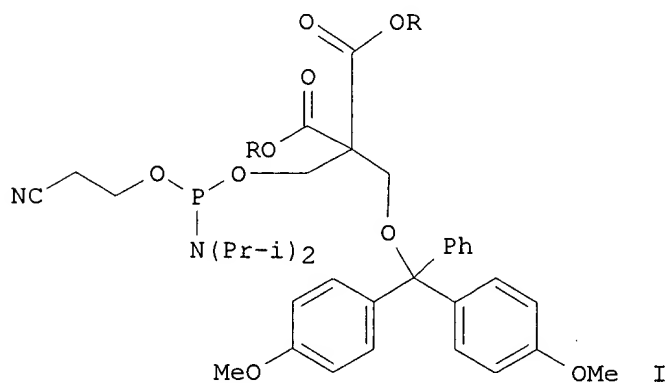


AB A new family of nonnucleoside phosphoramidite reagents derived from either esters or amides of 2,2-bis(hydroxymethyl)malonic acid was described. The utility of these building blocks was demonstrated by prepn. of 5'-phosphorylated **oligonucleotides** as well as hydrophobic, polyamino and fluorescent labeled **oligonucleotide** analogs. Thus, I (R = alkyl, octyl) was coupled to an **oligonucleotide** and detritylated to give, for example II (R = **oligonucleotide moiety**).

L43 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2003 ACS
 IT 20605-01-0, Diethyl bis(hydroxymethyl)malonate
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (prepn. of **oligonucleotide** analogs using
 bis(hydroxymethyl)malonate-derived phosphoramidite reagents)
 RN 20605-01-0 CAPLUS
 CN Propanedioic acid, bis(hydroxymethyl)-, diethyl ester (9CI) (CA INDEX
 NAME)



ACCESSION NUMBER: 1996:600955 CAPLUS
 DOCUMENT NUMBER: 125:329248
 TITLE: Synthesis of **oligonucleotide** analogs by
 using phosphoramidite reagents derived from
 2,2-bis(hydroxymethyl)malonates
 AUTHOR(S): Guzaev, Andrei; Salo, Harri; Azhayev, Alex; Lonnberg,
 Harri
 CORPORATE SOURCE: Department Chemistry, University Turku, Turku,
 FIN-20014, Finland
 SOURCE: Collection of Czechoslovak Chemical Communications
 (1996), 61(Spec. Issue), S226-S229
 CODEN: CCCCAK; ISSN: 0010-0765
 PUBLISHER: Institute of Organic Chemistry and Biochemistry,
 Academy of Sciences of the Czech Republic
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 GI



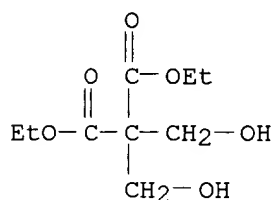
L43 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2003 ACS

IT 20605-01-0

RL: RCT (Reactant); RACT (Reactant or reagent)
(solid support for prepn. of phosphorylated chimeric
oligodeoxyribonucleotides contg. internucleosidic phosphotriester and
phosphonate linkages)

RN 20605-01-0 CAPLUS

CN Propanedioic acid, bis(hydroxymethyl)-, diethyl ester (9CI) (CA INDEX
NAME)



ACCESSION NUMBER: 1997:388353 CAPLUS

DOCUMENT NUMBER: 127:81732

TITLE: A novel solid support for preparation of
3'-phosphorylated chimeric oligodeoxyribonucleotides
containing internucleosidic methyl phosphotriester and
methyl phosphonate linkages

AUTHOR(S): Guzaev, Andrei; Lonnberg, Harri

CORPORATE SOURCE: Department of Chemistry, University of Turku, Turku,
FIN-20014, Finland

SOURCE: Tetrahedron Letters (1997), 38(22), 3989-3992

CODEN: TELEAY; ISSN: 0040-4039

PUBLISHER: Elsevier

DOCUMENT TYPE: Journal

LANGUAGE: English

AB A novel solid phase synthesis of 3'-phosphorylated
oligonucleotides is described. The chain assembly is carried out
by phosphoramidite strategy on solid support, which allows a mild and fast
release of the oligodeoxyribonucleotide in soln. The applicability of the
method is demonstrated by prepn. of 3'-phosphorylated chimeric
oligonucleotides contg. Me phosphotriester and Me phosphonate
internucleosidic linkages.